

# FEDERAL WOMAN'S AWARD

## *News Release*

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U. S. Civil Service Commission  
1900 E Street, N.W.  
Washington, D.C. 20415

ADVANCE FOR FRIDAY MORNING NEWSPAPERS, NOVEMBER 21,  
NOT TO BE USED BY PRESS, RADIO, OR TV BEFORE  
6:30 P.M., EST, THURSDAY, NOVEMBER 20, 1975

A nuclear physicist, a dentist, a psychologist, a government executive, a research chemist, and an engineering physicist will be the recipients of the prestigious Federal Woman's Award for 1975, Mrs. Jayne B. Spain, Vice Chairman of the Civil Service Commission and Chairman of the Board of Trustees of the Federal Woman's Award, announced today.

The six winners were selected from over 160 Federal career women nominated by their employing agencies, the largest number of nominees to date. An independent panel of judges selected the winners on the basis of their outstanding contributions to the quality and efficiency of the Federal career service, for their influence on major Government programs, and for personal qualities of leadership, judgment, integrity, and dedication.

The six winners, who will receive their awards at the 15th Annual Federal Woman's Award Banquet on December 3 at the Shoreham Americana Hotel, are:

Miss Anita F. Alpern, Assistant Commissioner (Planning and Research), Internal Revenue Service.

Dr. Beatrice J. Dvorak, Ph.D., Supervisory Personnel Research Psychologist, Employment and Training Administration, U.S. Department of Labor.

Dr. Evans Hayward, Ph.D., Nuclear Physicist, National Bureau of Standards, U.S. Department of Commerce.

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Mrs. Wilda H. Martinez, Staff Scientist, National Programs Staff, Marketing, Nutrition, and Engineering Sciences, Agricultural Research Service, U.S. Department of Agriculture.

Dr. Marie U. Nylen, D.D.S., Chief, Laboratory of Biological Structure, National Institute of Dental Research, National Institutes of Health.

Dr. Marguerite M. Rogers, Ph.D., Assistant Technical Director for Systems and Head, Systems Development Department, Naval Weapons Center, China Lake, California, U.S. Department of the Navy.

The Federal Woman's Award is Government-wide in scope, and is unique in that it is the only award program in the Federal Government that is exclusively for women. It was founded in 1960, and the first awards were presented in the spring of 1961. The award program is administered by a Board of Trustees of 12 members located in Washington, D.C.

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Note to Editors--

Biographical and career data on each of the Award winners and the names of the five judges for 1975 and the Trustees of the Federal Woman's Award are attached.

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Anita F. Alpern is the Assistant Commissioner (Planning and Research) for the Internal Revenue Service. She has been employed with the I.R.S. since 1960 and has been in her present position since April of this year.

During her service with the Internal Revenue Service Miss Alpern developed new systems and techniques for analyzing delinquent taxpayer populations. Her work has had major impact on collection policy and program direction for some 10,000 employees located in 58 districts nationwide.

She is also the architect of comprehensive data management and evaluation systems. These are considered "firsts" and perform such functions as forecasting workloads, identifying problems, and assessing productivity and work effectiveness.

Anita Alpern began her career in Government as an economist with the U.S. Employment Service. She later worked for the Department of Defense until joining the Internal Revenue Service as a management analyst.

Miss Alpern is the first woman ever to be promoted to a supergrade position in the Internal Revenue Service, and she is currently the highest ranking career woman in the Department of the Treasury. In addition, with her promotion to Assistant Commissioner (Planning and Research) she is one of the few women to reach the highest level in the Classified Federal Service -- GS-18.

Miss Alpern has authored several articles and participated in many symposia, sharing her expertise with other public administrators. She is a special advisor and past Vice President of the National Capital Area Chapter of the American Society for Public Administration, and is a member of the Board of Directors of the Alumni Association for the Federal Executive Institute.

Born in New York City, Miss Alpern received a B.A. in Political Science from the University of Wisconsin. In addition, she did graduate work in Public Administration at Columbia University.

Beatrice J. Dvorak, Ph.D., is a Supervisory Personnel Research Psychologist with the Employment and Training Administration of the Department of Labor. She has achieved international recognition in the areas of psychological tests and measurements and vocational counseling.

Dr. Dvorak has been the chief architect, developer, and builder of the Labor Department's test research program since its inception. She has supervised the development of aptitude, proficiency, and other tests used as tools in the counseling and placement of public employment service applicants, and of high school students throughout the country.

One of Dr. Dvorak's most outstanding achievements has been development of the General Aptitude Test Battery (GATB), a group of tests which measures 9 basic aptitudes important for success in a wide variety of occupations. Under her leadership, the GATB has become one of the most widely used test batteries in the world. The GATB (that she also developed in Spanish) made it possible, for the first time to determine an individual's aptitude qualifications for hundreds of occupations by administering a standard group of tests in a single testing session.

The GATB is in wide demand by private organizations. Each year it is given to thousands of applicants in public employment service offices. It is also used by high school counselors and in more than 90 foreign countries.

In addition, Dr. Dvorak has developed 465 Specific Aptitude Test Batteries (SATB) used by state employment service offices in serving employers; the Non-Reading Aptitude Test Battery (NATB) for use by persons with low or no reading ability; the Basic Occupational Literacy Test (BOLT) developed for educationally disadvantaged adults, relating scores to occupational needs rather than school grade. Further, she has developed proficiency tests in typing, shorthand, and spelling. She has also developed pretesting orientation techniques to alleviate anxieties of persons scheduled for tests.

Dr. Dvorak, a Phi Beta Kappa, is a native of Minnesota and received her Ph.D. in Psychology from the University of Minnesota.

Evans Hayward, Ph.D., is a nuclear physicist with the National Bureau of Standards. Since coming to work for the NBS in 1950 Dr. Hayward has done pioneering work in the field of photonuclear physics, achieving for herself and for the Bureau international recognition in this field.

Her outstanding accomplishments at the National Bureau of Standards in experimental photonuclear physics have provided the scientific basis for various practical applications of higher-energy x and gamma radiation.

Dr. Hayward has been the recipient of many outstanding awards, including a Guggenheim Foundation Fellowship in 1961. She has served as co-chairman of the Gordon Conference on Photonuclear Reactions in 1963, and has lectured on photonuclear physics in Scotland, Germany, Australia, and Canada. The Department of Commerce has awarded her their Silver Medal for Meritorious Service, and their Gold Medal Award.

Dr. Hayward has authored more than 40 publications gaining for her recognition as one of the several highest-ranked female nuclear physicists in the United States. She has been appointed to several high-level advisory groups, including the Advisory Screening Committee in Physics of the Committee of International Exchange of Persons. In addition, she is on the Governor's

Science Advisory Council for the state of Maryland, and was appointed to the General Advisory Committee of the Atomic Energy Commission.

Dr. Hayward received her B.A. from Smith College, and her M.A. and Ph.D. from the University of California in Berkeley. She is married to Raymond W. Hayward, who is also a physicist with the National Bureau of Standards, and they have two sons: Ariel, 24, and Pelleas, 22.

Wilda H. Martinez is a staff scientist with the Agricultural Research Service. Since joining the Department of Agriculture in 1954 she has advanced from the position of chemist to staff scientist on a national program staff.

Mrs. Martinez' most notable achievement has been the development of methods for extracting pure protein from cottonseed. Before protein sources other than meat were being seriously considered by others, she was actively directing research in the preparation of vegetable proteins for use in food and in animal feed. She had the foresight to analyze the future need for such products and promoted their use.

She realized that some of the needed alternate protein sources could be derived from cottonseed, and initiated critical experiments on cottonseed protein, resulting in the preparation of 100 percent protein isolates. As a result of her research, cottonseed is now considered a major protein source for specific food uses. Already tested in samples of bakery items and meat products, these protein materials may soon be routinely used as supplements to products in the food industry. Other protein products derived from cottonseed may be used in baby foods, bread, and to replace nonfat dry milk. A number of private companies have been evaluating these protein products and processes, and, in some instances, are planning to use them.

A researcher of international reputation, Mrs. Martinez is an active speaker and emissary of the protein research at the Agricultural Research Service. She has authored or coauthored 25 publications, holds two patents with more in preparation, and has presented many papers at industry meetings, conferences, and symposia.

Mrs. Martinez is a native of New Orleans. She received a B.A. degree in chemistry from H. Sophie Newcomb College and did graduate work in chemistry at Tulane University, Iowa State University, and the University of California at Berkeley. Her daughter Lyra, 23, is a teacher in New Orleans.

Marie U. Nylen, D.D.S., is the Chief of the Laboratory of Biological Structure of the National Institute of Dental Research of N.I.H. She is one of the world's foremost experts not only on the morphology, or structure of tooth enamel, but also on the use of the electron microscope.

The range of Dr. Nylen's research is considerable, and has advanced scientific knowledge in several related fields. Her studies have ranged over such areas as the submicroscopic level of cell structure, the mineralization and calcification of tissue, and the structure and extracellular products of microorganisms. All of these areas are directly related to the morphology of teeth.

When Dr. Nylen photographed the crystal lattice of tooth enamel, using the electron microscope, she was the first to demonstrate the characteristics of biological substances at the atomic level. In 1970 the International Association of Dental Research recognized her work in mineralization and crystallization processes of oral tissues with an award. And her studies of the effects of the antibiotic tetracycline on dental enamel have led to restrictions on its use.

Dr. Nylen has written over 40 publications, many of which are definitive in their field. In 1969 she was awarded the DHEW Superior Service Award, and in 1970 she received the International Association of Dental Research Award. She was given an honorary degree of Doctor of Odontology by the Royal Dental College in Copenhagen.

Dr. Nylen is a native of Denmark. She received her D.D.S. degree from the Royal Dental College in Copenhagen. She taught there as an Assistant Professor until working as a visiting scientist at the National Institute of Dental Research. She has been in her present position since 1969.

She lives in Bethesda, Maryland, and is married to Aage R. Nylen, who is General Manager of the Key Bridge Marriott Hotel. They have three children: Ingrid, Erik, and Thomas.

Marguerite M. Rogers, Ph.D., is the Assistant Technical Director for Systems and Head, Systems Development Department of the Naval Weapons Center in China Lake, California.

Dr. Rogers is this country's leading authority in the field of air-launched conventional weapons and conventional weapon effectiveness. Her accomplishments include direction of the development of some 30 weapons and warheads. Her evaluation of possible weapon concepts for the Navy has had an effect on major Government programs and other Federal agencies.

Dr. Rogers' career combines academic work and Government service. She was a member of the faculty of the University of Houston, and has worked as a Research Associate at the University of North Carolina, where she published significant papers on the properties of steel. She served as Professor of Physics and Head of the Science Division at Columbia College in South Carolina, and spent one year as a lecturer in Physics at the Royal Technical College in England.

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Her career in Government includes working for the Naval Avionics Facility in Indianapolis, where she was Head of the Optics Section of the Research Department, working for the Oak Ridge National Laboratory, and then the Naval Ordnance Test Station in California, where she made significant personal contributions to analytical studies of various conventional weapons.

Dr. Rogers consistently advanced to positions of greater responsibility and authority in the Naval Ordnance Test Station, and her work was continually recognized -- she received a Superior Accomplishment Award in 1959 and a Sustained Superior Performance Award in 1959. From 1962 to 1966 Dr. Rogers was the Head of the Air to Surface Weapons Division which developed Freefall weapons. She was awarded a Superior Civilian Service Award in 1966 as well as the Harvey Knowles Award of the American Ordnance Association.

She was appointed Head of the Weapons Systems Analysis Division of the Naval Weapons Center in 1966. Her duties were broadened to include design analysis and evaluation of a broader spectrum of weapons. Her leadership in a special study group in 1968 formed to survey and evaluate all existing and projected Naval weapons earned her another Superior Accomplishment Award.

Dr. Rogers, a Phi Beta Kappa, earned her doctorate from Rice Institute in Houston, Texas, in Physics. She has authored or coauthored more than 83 publications in her field.

She now lives in Ridgecrest, California, and is the mother of 5 children: Alexander, Fred Terry, Charles, Robert, and Alison.

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FEDERAL WOMAN'S AWARD JUDGES -- 1975

Mr. Irving Kator  
Attorney, and former  
Assistant Executive Director  
U.S. Civil Service Commission

Mrs. Elizabeth Koontz  
Coordinator for Nutritional Programs  
North Carolina State Department  
of Human Resources  
Raleigh, North Carolina

Ms. Olga M. Madar  
President  
Coalition of Labor Union Women  
Detroit, Michigan

Dr. Ruth H. Osborn  
Assistant Dean of the College of  
General Studies for Continuing  
Education for Women  
George Washington University  
Washington, D.C.

Mrs. Isabelle Shelton  
Washington Star Reporter  
and Syndicated Columnist  
Washington, D.C.

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